Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A porphyrin compound containing a biotinyl group represented by Formula (I):

Por-A-Bi

wherein:

Por represents a porphyrin residue forming a metal complex selected from a group consisting of heme a, heme b, heme c, variant heme c, heme d, heme d1, siroheme, and heme o;

Bi represents a biotinyl group or a biotinyl group substituted with halogen, nitro, cyano or C_{1-6} alkyl; [[and]]

A represents a C₁-C₃₀ hydrocarbyl group, or a C₁-C₃₀ heterohydrocarbyl group having 1-10 heteroatoms selected from a group consisting of oxygen, sulfur, and nitrogen is selected from a group consisting of

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- NH- NH- ,

- NH- NH- CO- (CH<sub>2</sub>)<sub>n</sub>- NH-,

- NH- NH- CO- (CH<sub>2</sub>)<sub>n</sub>- NH- CO- (CH<sub>2</sub>)<sub>n</sub>- NH-,

- NH- (CH<sub>2</sub>)<sub>n</sub>- NH- ,

- NH- NH- CO- (CH<sub>2</sub>)<sub>n</sub>- NH-,

- NH- NH- CO- (CH<sub>2</sub>)<sub>n</sub>- CO- NH- NH-,

- NH- (CH<sub>2</sub>)<sub>n</sub>- CO- NH- NH-, and

- NH(CH<sub>2</sub>)<sub>n</sub>- CO- NH- (CH<sub>2</sub>)<sub>n</sub>- CO- NH- NH-, and
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in the above formulae, each n independently represents 1-10.

- 2. (Cancelled)
- 3. (Previously Presented) The compound according to claim 1, wherein the Por is a heme b residue.

- 4. (Cancelled)
- 5. (Previously Presented) The compound according to claim 1, wherein the Bi is a biotinyl group.
 - 6. (Cancelled)
- 7. (Currently Amended) The compound of claim 1, wherein the A is NH
 NH- CO- (CH₂)₅- NH- selected from a group consisting of

 -NH- NH- NH- CO- (CH₂)_n- NH- ,

 -NH- NH- CO- (CH₂)_n- NH- CO- (CH₂)_n- NH- ,

 -NH- NH- CO- (CH₂)_n- NH- ,

 -NH- NH- CO- (CH₂)_n- NH- ,

 -NH- NH- CO- (CH₂)_n- CO- NH- NH- ,

in these formulae each n independently represents 1-10.

-NH(CH₂)_n-CO-NH-(CH₂)_n-CO-NH-NH-

- 8. (Original) A method for preparing the porphyrin compound containing a biotinyl group according to claim 1, comprising reacting a porphyrin optionally forming a metal complex with a compound containing a terminally aminated biotinyl group in the presence of a coupling agent.
 - 9. 10. (Cancelled)

-NH-(CH₂)_n-CO-NH-NH-, and

- 11. (Original) A hemoprotein labeling compound that is the compound according to claim 1.
 - 12. (Cancelled)

13. (Currently Amended) A diagnostic agent for hemoprotein-associated diseases, <u>the</u> <u>diagnostic agent</u> comprising a porphyrin compound containing a biotinyl group represented by Formula (I):

Por-A-Bi

wherein:

Por represents a porphyrin residue forming a metal complex selected from a group consisting of heme a, heme b, heme c, variant heme c, heme d, heme d1, siroheme, and heme o;

Bi represents a biotinyl group or a biotinyl group substituted with halogen, nitro, cyano or C_{1-6} alkyl; and

A represents a C_1 - C_{30} -hydrocarbyl group, or a C_1 - C_{30} -heterohydrocarbyl group having 1-10 heteroatoms selected from a group consisting of oxygen, sulfur, and nitrogen-is selected from a group consisting of

- NH- NH-,

- NH- NH- CO- (CH₂)_n- NH-,

- NH- NH- CO- (CH₂)_n- NH- CO- (CH₂)_n- NH-,

- $NH-(CH_2)_n-NH-$

- NH- NH- CO- (CH₂)_n- NH-,

- NH- NH- CO- (CH₂)_n- CO- NH- NH-,

- NH- (CH₂)_n- CO- NH- NH-, and

- NH(CH₂)_n- CO- NH- (CH₂)_n- CO- NH- NH-, and

in the above formulae, each n independently represents 1-10.

14. (Currently Amended) A therapeutic drug for photodynamic therapy, the diagnostic agent comprising a porphyrin compound containing a biotinyl group represented by Formula (I):

Por-A-Bi

wherein:

Por represents a porphyrin residue selected from a group consisting of uroporphyrin-I, uroporphyrin-II, coproporphyrin-III, protoporphyrin-IX, and hematoporphyrin-IX;

Bi represents a biotinyl group or a biotinyl group substituted with halogen, nitro, cyano or C_{1-6} alkyl; and

A represents a C₁-C₃₀ hydrocarbyl group, or a C₁-C₃₀ heterohydrocarbyl group having 1-10 heteroatoms selected from a group consisting of oxygen, sulfur, and nitrogen is selected from a group consisting of

- NH- NH-,
- NH- NH- CO- (CH₂)_n- NH-,
- NH- NH- CO- (CH₂)_n- NH- CO- (CH₂)_n- NH-,
- $-NH-(CH_2)_n-NH-$
- NH- NH- CO- (CH₂)_n- NH-,
- NH- NH- CO- (CH₂)_n- CO- NH- NH-,
- NH- (CH₂)_n- CO- NH- NH-, and
- $-NH(CH_2)_n$ CO- NH- $(CH_2)_n$ CO- NH- NH-, and

in the above formulae, each n independently represents 1-10.